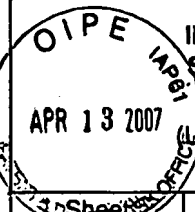
				COMPLETE IF KNOWN	
				Application Number	10/658,602
				Confirmation Number	6049
				Filing Date	September 8, 2003
				First Named Inventor	Enrique Zudaire Ubani
				Group Art Unit	1631
				Examiner Name	Jason M. Sims
Attorney Docket No.	41743.8001.US00				
Sheet	1	of	8		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
↓	A1	5,475,610		Atwood et al.	12/12/1995	
	A2	5,747,251		Carson et al.	05/05/1998	
	A3	6,174,670		Wittwer et al.	01/16/2001	
	A4	6,232,079		Wittwer et al.	05/15/2001	
	A5	6,245,514		Wittwer et al.	06/12/2001	
	A6	6,303,305		Wittwer et al.	10/16/2001	
	A7	6,465,638		Gorman et al.	10/15/2002	
	A8	6,503,720		Wittwer et al.	01/07/2003	
	A9	6,551,783		Carey et al.	04/22/2003	
	A10	6,569,627		Wittwer et al.	05/27/2003	
	A11	US 2001/0007759		Wittwer et al.	07/12/2001	
	A12	US 2002/0028452		Wittwer et al.	03/07/2002	
	A13	US 2002/0058255		Thum et al.	05/16/2002	
	A14	US 2002/0058258		Wittwer et al.	05/16/2002	
	A15	US 2002/0072112		Atwood et al.	06/13/2002	
	A16	US 2002/0123062		Wittwer	09/05/2002	
	A17	US 2002/0142300		Bernard et al.	10/03/2002	
	A18	US 2003/0022177		Wittwer et al.	01/30/2003	
↓	A19	US 2003/0087397		Klein et al.	05/08/2003	
	A20	US 2003/0096986		Mei et al.	05/22/2003	

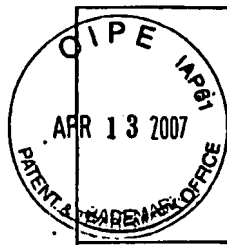
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				

EXAMINER /Jason Sims/	DATE CONSIDERED 07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)	COMPLETE IF KNOWN		
	Application Number	10/658,602	
	Confirmation Number	6049	
	Filing Date	September 8, 2003	
	First Named Inventor	Enrique Zudaire Ubani	
	Group Art Unit	1631	
	Examiner Name	Jason M. Sims	
	Attorney Docket No.	41743.8001.US00	
Sheet 2	of	8	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
IJS/	B1	Ball, T. <i>et al</i> , Improved mRNA Quantification in LightCycler RT-PCR, <i>Int. Arch Allergy Immunol.</i> 130: 82-86 (2003).	
IJS/	B2	Bohling, S.D. <i>et al</i> , Rapid Simultaneous Amplification and Detection of the MBR/JH Chromosomal Translocation by Fluorescence Melting Curve Analysis, <i>Am. J. Path.</i> 154: 97-103 (1999).	
IJS/	B3	Brownie <i>et al</i> , The Elimination of Primer-Dimer Accumulation in PCR, <i>Nucleic Acids Res.</i> 25: 3235-3241 (1997).	
IJS/	B4	Bustin, S. Absolute quantification of mRNA using real-time reverse transcription polymerase chain reaction assays, <i>J. Mol. Endocrinol.</i> 25: 169-193 (2000).	
IJS/	B5	Bustin, S. Quantification of mRNA using Real-Time Reverse Transcription PCR (RT-PCR): Trends and Problems, <i>J. Mol. Endocrinol.</i> 29: 23-39 (2002).	
IJS/	B6	Caplin, B.E. <i>et al</i> , LightCycler™ Hybridization Probes – The most direct way to monitor PCR amplification and mutation detection, <i>Biochemica</i> 1: 5-8 (1999).	
IJS/	B7	Cha & Thilly, Specificity, Efficiency, and Fidelity of PCR, <i>PCR Methods. Appl.</i> 3: S18-S29 (1993).	
IJS/	B8	Chamberlian <i>et al</i> , Deletion Screening of the Duchenne Muscular Dystrophy Locus via Multiplex DNA Amplification, <i>Nucleic Acids Res.</i> 16: 11141-56 (1988).	
IJS/	B9	Donohoe, G. <i>et al</i> , Rapid Single-Tube Screening of the C282Y Hemochromatosis Mutation by Real-Time Multiplex Allele-specific PCR without Fluorescent Probes, <i>Clin. Chem.</i> 46: 1540-1547 (2000).	
IJS/	B10	Edwards & Gibbs, Multiplex PCR: Advantages, Developments and Applications, <i>PCR Meth. Appl.</i> 3: S65-75 (1994).	
IJS/	B11	Elnifro <i>et al</i> , Multiplex PCR: Optimization and Application in Diagnostic Virology, <i>Clin. Microbiol. Rev.</i> 13: 559-570 (2000).	

EXAMINER /Jason Sims/	DATE CONSIDERED 07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
Form PTO-1449 (Modified)
(Use several sheets if necessary)

COMPLETE IF KNOWN

Application Number	10/658,602
Confirmation Number	6049
Filing Date	September 8, 2003
First Named Inventor	Enrique Zudaire Ubani
Group Art Unit	1631
Examiner Name	Jason M. Sims
Attorney Docket No.	41743.8001.US00

Sheet 3 of 8

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

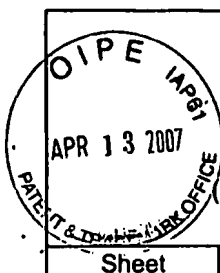
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
/JS/	B12	Erlach <i>et al</i> , Recent Advances in the Polymerase Chain Reaction, <i>Science</i> 252: 1643-51 (1991).	
/JS/	B13	Freeman, W.M. <i>et al</i> , Quantitative RT-PCR: Pitfalls and Potential, <i>Biotechniques</i> 26: 112-125 (1999).	
/JS/	B14	French, D. <i>et al</i> , HyBeacon probes: a new tool for DNA sequence detection and allele discrimination, <i>Mol. Cell Probes</i> 15: 363-74 (2001).	
/JS/	B15	Ginzinger, D., Gene Quantification Using Real-Time Quantitative PCR: An Emerging Technology Hits the Mainstream, <i>Exp. Hematol.</i> 30: 503-512 (2002).	
/JS/	B16	Giulietti, A. <i>et al</i> , An Overview of Real-Time Quantitative PCR: Applications to Quantify Cytokine Gene Expression, <i>Methods</i> 25: 386-401 (2001).	
/JS/	B17	Halford, W.P., The essential prerequisites for quantitative RT-PCR, <i>Nature Biotechnol.</i> 17: 835 (1999).	
/JS/	B18	Heid, C.A. <i>et al</i> , Real-time quantitative PCR, <i>Genome Res.</i> 6: 986-94 (1996).	
/JS/	B19	Henegariu, O. <i>et al</i> , Multiplex PCR: Critical Parameters and Step-by-Step Protocol, <i>Biotechniques</i> 23: 504-511 (1997).	
/JS/	B20	Holland, P. <i>et al</i> , Detection of specific polymerase chain reaction product by utilizing the 5'-3' exonuclease activity of thermus aquaticus, <i>Proc. Natl Acad. Sci. USA</i> 88: 7276-7280 (1991).	
/JS/	B21	Howell, W. <i>et al</i> , iFRET: an improved fluorescence system for DNA-melting analysis, <i>Genome Res.</i> 12: 1401-7 (2002).	
/JS/	B22	Ju, J. <i>et al</i> , Fluorescence energy transfer dye-labeled primers for DNA sequencing and analysis, <i>Proc. Natl. Acad. Sci. USA</i> 92: 4347-4351 (1995).	
/JS/	B23	Kampke, T. <i>et al</i> , Efficient Primer Design Algorithms, <i>Bioinformatics</i> 17: 214-225 (2001).	

EXAMINER /Jason Sims/	DATE CONSIDERED 07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/658,602
				Confirmation Number	6049
				Filing Date	September 8, 2003
				First Named Inventor	Enrique Zudaire Ubani
				Group Art Unit	1631
				Examiner Name	Jason M. Sims
Sheet	4	of	8	Attorney Docket No.	41743.8001.US00

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
/JS/	B24	Klein, D., Quantification using real-time PCR technology: applications and limitations, <i>Trends in Mol. Med.</i> 8: 257-260 (2002).	
/JS/	B25	Kreuzer, KA <i>et al</i> , LightCycler Technology for the Quantification of bcr/abl Fusion Transcripts, <i>Cancer Res.</i> 59: 3171-3174 (1999).	
/JS/	B26	Kutyavin, I.V. <i>et al</i> , 3'-minor groove binder-DNA probes increase sequence specificity at PCR extension temperatures, <i>Nucleic Acids Res.</i> 28: 655-61 (2000).	
/JS/	B27	Li & Hood, Multiplex Genotype Determination at a DNA Sequence Polymorphism Cluster in The Human Immunoglobulin Heavy-Chain Region, <i>Genomics</i> 26: 199-206 (1995).	
/JS/	B28	Lin <i>et al</i> , Multiplex Genotype Determination at a Large Number of Gene Loci, <i>Proc. Natl. Acad. Sci. USA</i> 93: 2582-2587 (1996).	
/JS/	B29	Lipsky, R.H. <i>et al</i> , DNA Melting Analysis for Detection of Single Nucleotide Polymorphisms, <i>Clin. Chem.</i> 47: 635-644 (2001).	
/JS/	B30	Liu, W. <i>et al</i> , A New Quantitative Method of Real-time Reverse Transcription Polymerase Chain Reaction Assay Based on Simulation of Polymerase Chain Reaction Kinetics, <i>Anal. Biochem.</i> 302: 52-59 (2002).	
/JS/	B31	Liu, W. <i>et al</i> , Validation of a Quantitative Method for Real-time PCR Kinetics, <i>Biochem. Biophys. Res. Commun.</i> 294: 347-353 (2002).	
/JS/	B32	Livak, K.J. <i>et al</i> , Analysis of Relative Gene Expression Data Using Real-Time Quantitative PCR and the 2- ^{-$\Delta\Delta C_T$} Method, <i>Methods</i> 25: 402-408 (2001).	
/JS/	B33	Mackay, I.M. <i>et al</i> , Real-Time PCR in Virology, <i>Nucleic Acids Res.</i> 30: 1292-1305 (2002).	
/JS/	B34	Marie, D. <i>et al</i> , Application of the Novel Nucleic Acid Dyes YOYO-1, YO-PRO-1, and PicoGreen for Flow Cytometric Analysis of Marine Prokaryotes, <i>Applied Environ. Microbio.</i> 62: 1649-1655 (1996).	

EXAMINER /Jason Sims/	DATE CONSIDERED 07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/658,602
				Confirmation Number	6049
				Filing Date	September 8, 2003
				First Named Inventor	Enrique Zudaire Ubani
				Group Art Unit	1631
				Examiner Name	Jason M. Sims
Sheet	5	of	8	Attorney Docket No.	41743.8001.US00

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T	
/JS/	B35	Markoulatos <i>et al</i> , Multiplex Polymerase Chain Reaction: A Practical Approach, <i>J. Clin. Lab. Anal.</i> 16: 47-51 (2002).		
/JS/	B36	Molenaar, C. <i>et al</i> , Linear 2' O-Methyl RNA probes for the visualization of RNA in living cells, <i>Nucleic Acids Res.</i> 29: E89-9 (2001).		
/JS/	B37	Mullis, K. <i>et al</i> , Specific Synthesis of DNA <i>in Vitro</i> via a Polymerase-Catalyzed Chain Reaction, <i>Methods in Enzymology</i> 155: 335 (1987).		
/JS/	B38	Nazarenko, I. <i>et al</i> , Effect of Primary and Secondary Structure of Oligodeoxyribonucleotides on the Fluorescent Properties of Conjugated Dyes, <i>Nucleic Acids Res.</i> 30: 2089-2195 (2002).		
/JS/	B39	Pfaffl, M., A New Mathematical Model for Relative Quantification in Real-Time RT-PCR, <i>Nucleic Acids Res.</i> 29: 2002-2007 (2001).		
/JS/	B40	Pfaffl, M., Development and Validation of an Externally Standardized Quantitative Insulin-like Growth Factor-1 RT-PCR Using LightCycler SYBR Green I Technology, <i>Biochemica.</i> 2: 13-16 (2000).		
/JS/	B41	Pfaffl, M. <i>et al</i> , Validities of mRNA Quantification Using Recombinant RNA and Recombinant DNA External Calibration Curves in Real-Time RT-PCR, <i>Biotechnol. Let.</i> 23: 275-282 (2001).		
/JS/	B42	Raja, S. <i>et al</i> , Temperature-controlled Primer Limit for Multiplexing of Rapid, Quantitative Reverse Transcription-PCR Assays: Application to Intraoperative Cancer Diagnostics, <i>Clinical Chemistry</i> 38: 1329-1337 (2002).		
/JS/	B43	Ramakers, C. <i>et al</i> , Assumption-free analysis of quantitative real-time polymerase chain reaction (PCR) data, <i>Neuroscience Let.</i> 339: 62-66 (2003).		
/JS/	B44	Riccelli, P. <i>et al</i> , DNA Sequence Context and Multiplex Hybridization Reactions: Melting Studies of Heteromorphic Duplex DNA Complexes, <i>J. Am. Chem. Soc.</i> p. 141-50 (2003).		

EXAMINER /Jason Sims/	DATE CONSIDERED 07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/658,602
				Confirmation Number	6049
				Filing Date	September 8, 2003
				First Named Inventor	Enrique Zudaire Ubanl
				Group Art Unit	1631
				Examiner Name	Jason M. Sims
Sheet	6	of	8	Attorney Docket No.	41743.8001.US00

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T	
/JS/	B45	Ririe, Kirk M. <i>et al</i> , Product Differentiation by Analysis of DNA Melting Curves during the Polymerase Chain Reaction, <i>Anal. Biochem.</i> 125: 154-160 (1997).		
/JS/	B46	Rithidech <i>et al</i> , Combining Multiplex and Touch Down PCR to Screen Murine Microsatellite Polymorphism, <i>Bio. Techniques</i> 23: 36-44 (1997).		
/JS/	B47	Roberston & Walsh-Weller, An Introduction to PCR Primer Design and Optimization of Amplification Reactions, <i>Meth. Mol. Biol.</i> 98: 121-154 (1998).		
/JS/	B48	Roux, Optimization and Troubleshooting in PCR, <i>PCR Meth. Appl.</i> 4: S185-S194 (1995).		
/JS/	B49	Saiki <i>et al</i> , Enzymatic Amplification of #-Globin Genomic Sequences and Restriction Site Analysis for Diagnosis of Sickle Cell Anemia, <i>Science</i> 230: 1350-54 (1985).		
/JS/	B50	Schmittgen, T.D. <i>et al</i> , Real-Time Quantitative PCR, <i>Methods.</i> 383-385 (2001).		
/JS/	B51	Schmittgen, T.D. <i>et al</i> , Quantitative Reverse Transcription-Polymerase Chain Reaction to Study mRNA Decay: Comparison of Endpoint and Real-Time Methods, <i>Anal. Biochem.</i> 285: 194-204 (2000).		
/JS/	B52	Shi, Enabling Large-Scale Pharmacogenetic Studies by High-throughput Mutation Detection and Genotyping Technologies, <i>Clin. Chem.</i> 47: 164-172 (2001).		
/JS/	B53	Svanvik, N. <i>et al</i> , Detection of PCR Products in Real-Time Using Light-Up Probes, <i>Anal. Biochem.</i> 287: 179-182 (2000).		
/JS/	B54	Svanvik, N. <i>et al</i> , Free-Probe Fluorescence of Light-Up Probes, <i>J. Am. Chem. Soc.</i> 123: 803-809 (2001).		
/JS/	B55	Uematru, C. <i>et al</i> , Multiplex polymerase chain reaction (PCR) with color-tagged module-shuffling primers for comparing gene expression levels in various cells, <i>Nucleic Acids Res.</i> 29: 1-6 (2001).		

EXAMINER	/Jason Sims/	DATE CONSIDERED	07/09/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/658,602
				Confirmation Number	6049
				Filing Date	September 8, 2003
				First Named Inventor	Enrique Zudaire Ubani
				Group Art Unit	1631
				Examiner Name	Jason M. Sims
Sheet	7	of	8	Attorney Docket No.	41743.8001.US00

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T	
/JSI/	B56	Vandesompele, A. <i>et al</i> , Elimination of Primer-Dimer Artifacts and Genomic Coamplification Using a Two-Step SYBR Green I Real-Time RT-PCR, <i>Anal. Biochem.</i> 303: 95-8 (2002).	T	
/JSI/	B57	Walker, N.J., A Technique Whose Time Has Come, <i>Science</i> 296: 557-559 (2002).		
/JSI/	B58	Wall, S. <i>et al</i> , Quantitative Reverse Transcription-Polymerase Chain Reaction (RT-PCR): A Comparison of Primer-Dropping, Competitive, and Real-Time RT-PCRs, <i>Anal. Biochem.</i> 300: 269-273 (2002).		
/JSI/	B59	Wilhelm, J. <i>et al</i> , Influence of DNA Target Melting Behavior on Real-Time PCR Quantification <i>Clin. Chem.</i> 46: 1738-1743 (2000).		
/JSI/	B60	Wittwer, C., Real-Time Multiplex PCR Assays, <i>Methods</i> 25: 430-442 (2001).		
/JSI/	B61	Zimmermann <i>et al</i> , Quantitative Multiple Competitive PCR of HIV-1 DNA in a Single Reaction Tube, <i>BioTechniques</i> 21: 480-484 (1996).		
/JSI/	B62	Zou <i>et al</i> , Identification of New Influenza B virus Variants by Multiplex Reverse Transcription-PCR and the Heteroduplex Mobility Assay, <i>J. Clin. Microbiol.</i> 36: 1544-1548 (1998).		
/JSI/	B63	Brilliant™ SYBR® Green QPCR Master Mix.		
/JSI/	B64	Brilliant SYBR® Green QPCR Master Mix, Instruction Manual.		
/JSI/	B65	Competitive PCR Guide, Takara Shuzo Co., Ltd. p 1-9.		
/JSI/	B66	DNA/RNA Real-Time Quantitative PCR, <i>Biosystems</i> p 1-7.		
/JSI/	B67	Eurogentec qPCR™ Mastermix for Sybr™ Green I.		
/JSI/	B68	Relative Quantitation of Gene Expression, User Bulletin #2 ABI Prism 7700 Sequence Detection System, <i>Applied Biosystems</i> p 1-36, 12/11/97.		
/JSI/	B69	Relative Quantification, Roche Applied Science, Technical Note No. LC 13/2001, p 1-27.		
EXAMINER /Jason Sims/			DATE CONSIDERED 07/09/2007	
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).				

